

ABSTRACT

[Problem] To provide a reactor for water generation capable of achieving a higher water conversion ratio while mitigating ignition risk.

[Solution] A reactor main body 6 having an inlet 2 and an outlet 4 for a gas, a first reflector 7 fixed inside the reactor main body 6 and disposed to have a gap G2 with an inner wall surface of the reactor main body 6, the first reflecting plate is disposed to face the outlet 4 and has a tapered portion 10 at a peripheral edge portion facing the inner wall surface of the reactor main body 6, a first platinum catalyst layer 9 coats the inner wall surface of the reactor main body 6, and a second platinum catalyst layer 11 coats an outer surface of the first reflecting plate 7, the second platinum catalyst layer 11 being applied inward of the tapered portion 10 and facing the reactor main body 6.

Selected Diagram Fig. 1